



U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the **INSTRUCTIONS FOR FILING NOTIFICATION** before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).



PLEASE PLACE LABEL IN THIS SPACE

SQG

OCT 11 1983

INSTALLATION'S EPA I.D. NO.
I. NAME OF INSTALLATION
II. INSTALLATION MAILING ADDRESS
III. LOCATION OF INSTALLATION

FOR OFFICIAL USE ONLY

COMMENTS

INSTALLATION'S EPA I.D. NUMBER

APPROVED

DATE RECEIVED (yr., mo., & day)

FMAD0001049774

1

831013

I. NAME OF INSTALLATION

H. H. ARNOLD CO., INC

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX

3529 LIBERTY ST.

CITY OR TOWN

4 ROCKLAND,

ST.

ZIP CODE

MA02370

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER

5 SAME

CITY OR TOWN

6

ST.

ZIP CODE

Plymouth
023

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)

PHONE NO. (area code & no.)

2 ARNOLD RICHARD P. V. P.

617-878-0346

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER

8 H. H. ARNOLD CO., INC.

B. TYPE OF OWNERSHIP (enter the appropriate letter into box)

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

F = FEDERAL
M = NON-FEDERAL

M

☒ A. GENERATION

☐ B. TRANSPORTATION (complete item VII)

☐ C. TREAT/STORE/DISPOSE

☐ D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

☐ A. AIR

☐ B. RAIL

☐ C. HIGHWAY

☐ D. WATER

☐ E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

Voluntary I.D. Request

SQG

☒ A. FIRST NOTIFICATION

☐ B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

IX. DESCRIPTION OF HAZARDOUS WASTES (continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1 0001 23 - 26	2 23 - 26	3 23 - 26	4 23 - 26	5 23 - 26	6 23 - 26
7 23 - 26	8 23 - 26	9 23 - 26	10 23 - 26	11 23 - 26	12 23 - 26

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13 23 - 26	14 23 - 26	15 23 - 26	16 23 - 26	17 23 - 26	18 23 - 26
19 23 - 26	20 23 - 26	21 23 - 26	22 23 - 26	23 23 - 26	24 23 - 26
25 23 - 26	26 23 - 26	27 23 - 26	28 23 - 26	29 23 - 26	30 23 - 26

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31 23 - 26	32 23 - 26	33 23 - 26	34 23 - 26	35 23 - 26	36 23 - 26
37 23 - 26	38 23 - 26	39 23 - 26	40 23 - 26	41 23 - 26	42 23 - 26
43 23 - 26	44 23 - 26	45 23 - 26	46 23 - 26	47 23 - 26	48 23 - 26

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

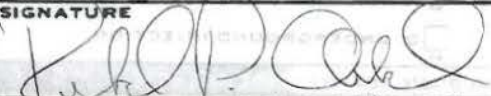
49 23 - 26	50 23 - 26	51 23 - 26	52 23 - 26	53 23 - 26	54 23 - 26
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E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

- ☐ 1. IGNITABLE (D001)
 ☐ 2. CORROSIVE (D002)
 ☐ 3. REACTIVE (D003)
 ☐ 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE 	NAME & OFFICIAL TITLE (type or print) RICHARD P. ARNOLD VICE PRESIDENT	DATE SIGNED 9-14-83
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Small Quantity GENERATOR

ATTACHED ARE SPEC SHEETS ON THE TYPE OF COOLANTS USED IN OUR METALWORKING, I.E. TURNING MILLING + GRINDING, . SOME IS CONTAMINATED WITH SMALL QUANTITIES OF OIL.

CIMPERIAL 1011

RECOMMENDED STARTING DILUTIONS

Operation	Carbon Steels Cast Steels	High Alloy Steels, Stainless Steels	Aircraft, Tool Steels	Copper, Aluminum
Milling, Drilling, Turning	1:25 (4.0%)	1:25 (4.0%)	1:20 (5.0%)	1:25 (4.0%)
Machining — heavy duty	1:20 (5.0%)	1:20 (5.0%)	1:15 (6.7%)	1:20 (5.0%)
Reaming, Tapping, Broaching, Form Milling	1:10 (10.0%)	1:10 (10.0%)	1:10 (10.0%)	1:10 (10.0%)
Grinding	1:30 (3.3%)	1:25 (4.0%)	1:20 (5.0%)	1:30 (3.3%)
Cutoff & Sawing	1:15 (6.7%)	1:10 (10.0%)	1:10 (10.0%)	1:15 (6.7%)

CIMPERIAL 1011 is to be mixed with water for use. Add no other substances to the concentrate or mix unless approved by Cimcool Technical Services (513-841-8133).

RECOMMENDED CIMCOOL MIX MASTER PROPORTIONER TIP SIZES

Dilution	1:10 (10.0%)	1:20 (5.0%)	1:25 (4.0%)	1:30 (3.3%)	1:40 (2.5%)
Tip Size	46	50	52	53	56

After installation of the tip, titrate the mix to be sure the concentration is correct. Leaner dilutions may be needed for makeup.

For concentration analysis, use the CIMCOOL Genetron Titration Procedure or the CIMCOOL "Mini" Kit I.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical state..... liquid
 Appearance and odor..... hazy; sassafras or evergreen
 Colors available..... green, undyed
 Solubility in water..... (appreciable; emulsifiable) greater than 10%
 Weight, lb/gal, 60 °F (15.6 °C)..... 8.33
 Specific gravity (H₂O = 1)..... 0.999
 Boiling point, °F (°C)..... not determined
 Flash point, COC, °F (°C)..... 335 (168)
 Fire point, COC, °F (°C)..... 365 (185)

When mixed with water for use, the flash and fire points are raised beyond the range of the COC method.

Extinguishing media..... foam, carbon dioxide

Unusual fire & explosion hazards..... none

Freezing point (or pour point), °F (°C)..... 18 (-7.8)

If frozen, thaw completely at room temperature.

pH, concentrate..... not applicable

pH, 1:20 (5.0%) mix, typical operating conditions..... 8.6

Total chlorine/chloride, wt %, calculated..... 8.4/0.00004

Total sulfur, wt %, calculated..... 0.75

Diethanolnitrosamine, mercurials, PCB's, phosphates,
 PTBBA..... none

PACKAGING

Available in 5-gallon pails, 55-gallon drums, Liqua Bins, and in tank truck and tank car quantities.

Do not reuse container before cleaning. After cleaning, remove label and relabel appropriately.

DOT LABELING REQUIREMENTS

Hazardous Materials Description and Proper Shipping Name (49 CFR 172.101):	Hazard Class (49 CFR 172.101):
Not a hazardous material	Not applicable

Product Safety Data

CIMPERIAL 1011

HEALTH HAZARD DATA

Not for internal consumption.

Emergency and First Aid Procedures:

- Skin— Avoid prolonged contact with concentrate. Flush with water.
Eyes— In case of contact with concentrate, flush with running water for 15 minutes. Call a physician.
Ingestion— If concentrate is swallowed, do not induce vomiting. Dilute with water or milk. Call a physician.
Inhalation— No first aid required; not volatile

The following toxicity tests were conducted in accordance with the techniques specified in the Regulations for the Enforcement of the Federal Hazardous Substances Act (Revised, Federal Register, September, 1973). Data estimated from test results on a similar formula.

- Acute Oral Toxicity (LD₅₀—Rats)— Above 5 g/kg (undiluted).
Acute Inhalation Toxicity (LC₅₀—Rats)— Above 20 mg/l for a 10% mix.
Acute Eye Irritation (Rabbits)— Positive (undiluted); negative for a 10% mix — no irritative or corrosive effects.
Primary Skin Irritation (Rabbits)— Negative (undiluted); noncorrosive and not a primary skin irritant.
Acute Dermal Toxicity (LD₅₀—Rabbits)— Above 2 g/kg (undiluted).
Additional Testing:
Bacterial Mutagenic (Ames) Test — Nonmutagenic.

REACTIVITY DATA

- Stability— Stable.
Hazardous polymerization— Will not occur.
Incompatibility (materials to avoid)— None known.
What volatile products are given off if subjected to open flame or abnormally high temperatures— Water vapor, carbon dioxide, and organic vapors.

SPILL OR LEAK PROCEDURES

- Steps to be taken if material is released or spilled— Flush with water.
Recommended disposal method(s)— Ultrafiltration, acid-alum-polymer chemical treatment, followed by phenol-removing procedures (if required), or high temperature incineration.

SPECIAL PROTECTION INFORMATION

- Respiratory Protection— None required.
Ventilation— No special requirements.
Protective Gloves— Not required.
Eye Protection— Safety goggles recommended when handling concentrate.
Other Protective Equipment— Normal metalworking plant protective equipment.

SPECIAL PRECAUTIONS

- Handling and Storage— Avoid open flames, sparks, and temperatures over 335°F (168°C).
Precautionary Labeling— See product label. Product labels for use in shop available to bulk users.

Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet.

Products Division | Cincinnati Milacron Marketing Company
Cincinnati, Ohio 45209

PC 809-3



LUSCON INDUSTRIES CORPORATION

281 SILVER SANDS ROAD
EAST HAVEN, CONN. 06512
(203) 469-2336



PRODUCT DATA

VELVESOL 60

DESCRIPTION: VELVESOL 60 is a new generation, full synthetic water miscible cutting and grinding fluid. VELVESOL 60 is a general to heavy duty premium fluid designed to give maximum versatility to cut inventory cost. VELVESOL 60 is semi-transparent, rapid cooling, rust inhibited, non-gumming, non-foaming, and highly resistant to bacterial growth. Its unique E.P. characteristics provide unusually good tool and wheel life. VELVESOL 60 may be diluted with a greater amount of water than most synthetics. Its superior cleanliness makes it pleasant to use.

TYPICAL INSPECTIONS:

pH Concentrate	10.2
pH Dilute 25:1	9.4
Pounds/Gallon	8.57
Specific Gravity @ 60°F	1.03
Viscosity, SUS @ 100°F	1,000 (Approx.)
Color Diluted	Translucent Blue

APPLICATION: Generally VELVESOL 60 may be varied in dilution to meet most machining and grinding applications. It is a truly shopwide product and may be used in the following dilutions on both ferrous and non-ferrous metals except magnesium.

- Turning, Milling	25 to 40:1
- Broaching and Cut Off Sawing	15 to 30:1
- Form and Centerless Grinding	30 to 45:1
- Tapping, Drilling & Threading	15 to 30:1
- General Grinding	40 to 60:1
- Spray Mist	20 to 40:1

SAFETY: VELVESOL 60 is a non-hazardous product. VELVESOL 60 is nitrite, phenol, chlorine and sulfur free. OSHA Material Safety Data Sheet is available upon request.

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Luscon Industries Corporation		EMERGENCY TELEPHONE NO. (203) 469-2336
ADDRESS (Number, Street, City, State, and ZIP Code) 281 Silver Sands Road, East Haven, Connecticut 06512		
CHEMICAL NAME AND SYNONYMS None		TRADE NAME AND SYNONYMS Velvesol 60
CHEMICAL FAMILY Synthetic Cutting Fluid	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS		N.A.	BASE METAL		N.A.
CATALYST		N.A.	ALLOYS		N.A.
VEHICLE		N.A.	METALLIC COATINGS		N.A.
SOLVENTS		N.A.	FILLER METAL PLUS COATING OR CORE FLUX		N.A.
ADDITIVES		N.A.	OTHERS		N.A.
OTHERS		N.A.			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212°	SPECIFIC GRAVITY (H ₂ O=1)	8.8
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT VOLATILE BY VOLUME (%)	60
VAPOR DENSITY (AIR=1)	1	EVAPORATION RATE (_____ =1)	1
SOLUBILITY IN WATER	Complete		
APPEARANCE AND ODOR... Blue with sassafras odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) None	FLAMMABLE LIMITS	Let	Uel
EXTINGUISHING MEDIA... CO ₂ , dry chemical or water			
SPECIAL FIRE FIGHTING PROCEDURES None			
UNUSUAL FIRE AND EXPLOSION HAZARDS None			

THRESHOLD LIMIT VALUE N.A.
 EFFECTS OF OVEREXPOSURE None

EMERGENCY AND FIRST AID PROCEDURES

Ingestion: Do not induce vomiting - call a physician

Skin Contact: Wash with soap and water after handling. poor hygiene may produce dermatitis. EYE CONTACT: Flush with clear water until irritation subsides.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	strong oxidizers such as perchloric acid

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

NO_x, SO₂, CO, CO₂

HAZARDOUS POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Dilute with copious amounts of water and mop it up or mechanically clean up with absorbant.

WASTE DISPOSAL METHOD

Product is biodegradable. Dilute with sufficient amount of water for discharge to sewer system in accordance with local, state and federal laws.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Normally not needed

VENTILATION

LOCAL EXHAUST

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

Protective hand cream desirable

EYE PROTECTION

goggles

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in steel tank or drum below 120°F and above 32°F

OTHER PRECAUTIONS

Do not apply high heat or flame to container.



THE WHITE & BAGLEY COMPANY

WORCESTER * MASS.

W & B CONCENTRATE 5610

INFORMATION AND APPROXIMATE SPECIFICATIONS

W & B Concentrate 5610 is a high performance semi-synthetic nitrite free product that can be used for machining or grinding steel, cast iron or aluminum. The presence of extreme pressure lubricants in this product insures performance in difficult machining and grinding operations. This feature plus its long tank life makes this product ideal for use in individual tanks and central systems.

Weight per gallon	8.80
Specific Gravity	1.05
Flash Point	None
Sulphates	None
Nitrites	None
Phenols	None
Sulfur	Less than 1%
Chlorine	None
Fat	Less than 5%
Petroleum Oil	Less than 10%
pH (5% Solution)	Approx. 9.3
Foam Tendency	None
Resistance to attack by bacteria	Excellent
Appearance of concentrate	Dark Green Transparent Fluid

This product can be prepared for disposal using the standard aluminum sulfate-sulfuric acid treatment.

JUL 30 1972

U.S. DEPARTMENT OF LABOR



WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME The White & Bagley Company		EMERGENCY TELEPHONE NO. 617-791-3201
ADDRESS (Number, Street, City, State, and ZIP Code) 150 Worcester Center Blvd., Worcester, MA		617-987-2217 E.F. Ahern (nights)
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS W&B Concentrate 5610
CHEMICAL FAMILY Coolant	FORMULA Proprietary	

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Not Applicable					

SECTION III PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	1.04
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER	100%		
APPEARANCE AND ODOR	Clear dark green- amine odor		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	Not applicable	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA	Water, foam, CO ₂			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Not listed - Suggest using 5 Milligrams/cu. meter as
EFFECTS OF OVEREXPOSURE set for Mineral Oil Mists by ACGIH*

EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: flush with water for 15 minutes, get
medical attention.

*American Conference of Governmental Hygienists

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid) Avoid copper, bronze or brass unless copper corrosion inhibitor is used.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Contain spill and then flush with water into waste treatment facilities.
Treat as oil spill.

WASTE DISPOSAL METHOD

Dispose in manner consistent with federal, state
or local liquid waste regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) None required

VENTILATION**LOCAL EXHAUST**

Acceptable

SPECIAL**MECHANICAL (General)****OTHER****PROTECTIVE GLOVES****EYE PROTECTION**

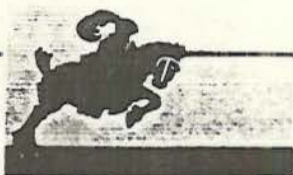
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OTHER PROTECTIVE EQUIPMENT**SECTION IX SPECIAL PRECAUTIONS****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Store indoors.

OTHER PRECAUTIONS

Use as directed.



International Chemical Co. Technical Report

INTERNATIONAL COMPOUND #131-A

Water Soluble Compound for Machining and Grinding Aluminum

DESCRIPTION

International Compound #131-A is a water soluble oil recommended for use in grinding, machining, and roll forming of aluminum and its alloys, various grades of stainless steel and plastics in all types of equipment.

It is non-staining and exhibits a high degree of detergency to maintain clean, free cutting grinding wheels, prevent loading and build-up of gummy residues on machine tools. Excellent finishes are obtained in all machining and grinding operations.

OPERATIONAL DATA

Recommended Concentrations:

Machining Aluminum	-	4 - 5%
Grinding Aluminum	-	3%
Roll Forming Aluminum	-	5 - 6%
Grinding Stainless Steel	-	3%
Grinding Plastic	-	2%

The above concentration recommendations may vary slightly depending upon the severity of the operation.

SPECIFICATIONS

Pale Amber Liquid

Specific Gravity @ 60°F. (15.6°C.) 0.950

pH 5% Emulsion - 8.7

(9/77)

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME INTERNATIONAL CHEMICAL COMPANY		EMERGENCY TELEPHONE NO. 215-739-2313
ADDRESS (Number, Street, City, State, and ZIP Code) 2628 N. MASCHER ST., PHILADELPHIA, PA. 19133		
CHEMICAL NAME AND SYNONYMS N.A.		TRADE NAME AND SYNONYMS INTERNATIONAL COMPOUND #131-A
CHEMICAL FAMILY WATER SOLUBLE COOLANT	FORMULA N.A.	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	0		BASE METAL	0	
CATALYST	0		ALLOYS	0	
VEHICLE	0		METALLIC COATINGS	0	
SOLVENTS	0		FILLER METAL PLUS COATING OR CORE FLUX	0	
ADDITIVES	0		OTHERS	0	
OTHERS	0				

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
NONE		

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212°F.	SPECIFIC GRAVITY (H ₂ O=1)	0.904
VAPOR PRESSURE (mm Hg.)	less than 0.23 mmHg	PERCENT. VOLATILE BY VOLUME (%)	45%
VAPOR DENSITY (AIR=1)	6.0	EVAPORATION RATE (TOLUENE = 1)	less than 0.01
SOLUBILITY IN WATER	100% WATER MISCIBLE		
APPEARANCE AND ODOR	AMBER OILY LIQUID - MILD ODOR		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	155°F., T.C.C.	FLAMMABLE LIMITS:	Lel	Uel
			1.0%	6.0%
EXTINGUISHING MEDIA	DRY CHEMICAL, CARBON DIOXIDE, SAND			
SPECIAL FIRE FIGHTING PROCEDURES	NONE			
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	UNKNOWN
EFFECTS OF OVEREXPOSURE	MAY CAUSE EYE AND/OR SKIN IRRITATION
EMERGENCY AND FIRST AID PROCEDURES	EYES - FLUSH WITH AMPLE WATER
	SKIN - WASH WITH SOAP AND WATER

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	XX	
INCOMPATIBILITY (Materials to avoid) ACIDS WILL CAUSE COMPOUND TO SPLIT			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	XX	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 SPILLED MATERIAL SHOULD BE COLLECTED BY MEANS MOST APPROPRIATE TO THE
 SITUATION, COLLECTED OIL SHOULD BE DISPOSED OF AS STATED BELOW:

WASTE DISPOSAL METHOD DISPOSE IN ACCORDANCE WITH EPA REGULATIONS IN EFFECT AS OF
 NOVEMBER 19, 1980 (FEDERAL REGISTER, VOL. 45, NO. 98,
 MONDAY, MAY 19, 1980)

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES RUBBER FOR HANDLING CONCENTRATE		EYE PROTECTION GOGGLES IF SPLASHING MAY OCCUR
OTHER PROTECTIVE EQUIPMENT		

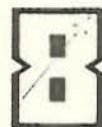
SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	NORMAL HANDLING
	INDOOR STORAGE
OTHER PRECAUTIONS	NONE



LUSCON INDUSTRIES CORPORATION

281 SILVER SANDS ROAD
EAST HAVEN, CONN. 06512
(203) 469-2336



PRODUCT DATA

VELVESOL 30

DESCRIPTION: VELVESOL 30 is a unique semi-synthetic cutting and grinding fluid designed to provide the lubricity of a soluble oil and also the cooling of a synthetic coolant. VELVESOL 30 is heavy duty for use on all alloys from tough aircraft type to aluminum where simple lubricity is needed to resist galling. VELVESOL 30 has a clean liquid residue and provides exceptional rust and rancidity control. Its unique formula provides a self-generating defoaming action which can not be lost.

APPLICATION: Recommended starting dilutions - medium machineability metals.

<u>OPERATION</u>	<u>DILUTION</u>	<u>A/O REFRACTOMETER</u>	<u>TITRATION</u>
Turning, milling, drilling	20-30:1	1.4-2.0	14-21
Tapping, broaching	10-15:1	2.7-4.0	27-41
Centerless grinding	20-30:1	1.4-2.0	14-21
General grinding	40-60:1	0.7-1.0	7-.0

TYPICAL INSPECTIONS:

Specific Gravity	1.03
pH, 5%	9.4
Falex, 4%, lbs	4500+
Color, Concentrate	Dark Blue
Color, Dilute	Transparent Blue

SAFETY: VELVESOL 30 is considered non-hazardous in normal use. VELVESOL 30 is free of nitrites, phenols, mercurials, p.c.b.'s and chlorine. OSHA 20 Sheet is available upon request.

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Luscon Industries Corporation		EMERGENCY TELEPHONE NO. (203) 469-2336
ADDRESS (Number, Street, City, State, and ZIP Code) 281 Silver Sands Road, East Haven, Connecticut 06512		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS Velvesol 30, 33
CHEMICAL FAMILY Semi-Synthetics	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS		N/A	BASE METAL		N/A
CATALYST		N/A	ALLOYS		N/A
VEHICLE		N/A	METALLIC COATINGS		N/A
SOLVENTS		N/A	FILLER METAL PLUS COATING OR CORE FLUX		N/A
ADDITIVES		N/A	OTHERS		N/A
OTHERS		N/A			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Non-hazardous material as defined					

SECTION III - PHYSICAL DATA

BOILING POINT (°F) @ 760	212	SPECIFIC GRAVITY (H ₂ O=1) 77/77°F	1.03
VAPOR PRESSURE (mm Hg.) @ 20°C	10	PERCENT VOLATILE BY VOLUME (%)	60
VAPOR DENSITY (AIR=1)	> 1	EVAPORATION RATE (BUAC =1)	> 1
SOLUBILITY IN WATER	complete		
APPEARANCE AND ODOR - Brown liquid with mild odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) None COC	FLAMMABLE LIMITS	N/A	N/A
EXTINGUISHING MEDIA CO₂, dry chemical, water fog, foam			
SPECIAL FIRE FIGHTING PROCEDURES Use air-supplied rescue equipment in contained areas.			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	classified non-hazardous material
EFFECTS OF OVEREXPOSURE	Effects similar to mild soap and water solution
EMERGENCY AND FIRST AID PROCEDURES	
If ingested in large quantities, treat as ingestion of mildly alkaline soap and water solution.	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
NO _x , CO, SO ₂			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Absorb spillage and flush residual with water	
WASTE DISPOSAL METHOD	
Dispose in accordance with local, state and federal laws governing disposal of mildly alkaline detergent solutions containing organic nitrogen derivatives.	

SECTION VIII - SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type) —		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES		EYE PROTECTION
OTHER PROTECTIVE EQUIPMENT		Safety glasses in accordance with standard safe shop practices.

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Store in closed container away from extreme heat and open flame.	
OTHER PRECAUTIONS	